Recombinant Cytokeratin 18 (KRT18) Antibody

Rabbit Monoclonal Antibody [Clone KRT18/2819R]

Catalog No	Format	Size
3875-RBM12-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3875-RBM12-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3875-RBM12-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

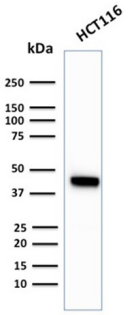
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

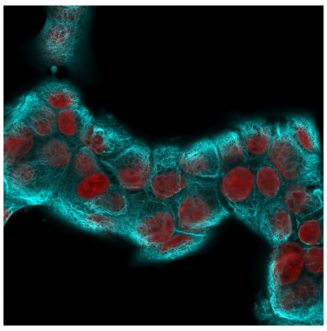
Clone	KRT18/2819R
Immunogen	Recombinant fragment (around aa1-423) of the rat Cytokeratin 18 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	48.06kDa
Cellular Localization	Cytoplasm, Nucleolus, Nucleus, Nucleus matrix, Perinuclear region
Species Reactivity	Human
Positive Control	Breast cancer., HCT116, HeLa cells, MCF-7, Human Intestine, Human Liver, Human Lung, A431

**Optimal dilution for a specific application should be determined.*

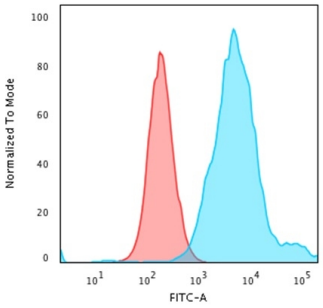
Product Images for Recombinant Cytokeratin 18 (KRT18) Antibody



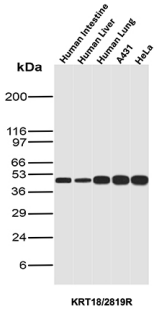
Western Blot Analysis of HCT116 cell lysate using Cytokeratin 18Rabbit Recombinant Monoclonal Antibody (KRT18/2819R).



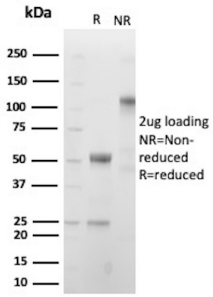
Immunofluorescence Analysis of MCF-7 cells labeling KRT18 with Cytokeratin 18 Rabbit Recombinant MAb (KRT18/2819R followed by Goat anti-Rabbit IgG-CF488 (Cyan). The nuclear counterstain is Reddot (Red)



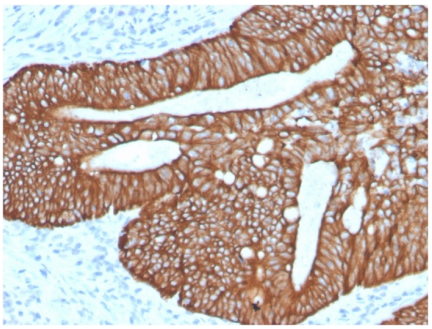
Flow Cytometric Analysis of PFA-fixed HeLa cells using Cytokeratin 18 Rabbit Recombinant MAb(KRT18/2819R) followed by Goat anti-rabbit IgG-CF488 (Blue); Isotype Control (Red).



Western Blot Analysis of Human Intestine, Human Liver, Human Lung, A431, and HeLa lysates using Cytokeratin 18 Recombinant Rabbit Monoclonal Antibody (KRT18/2819R).



SDS-PAGE Analysis of Purified Keratin, type I cytoskeletal 18 Recombinant Rabbit Monoclonal Antibody (KRT18/2819R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 18Rabbit Recombinant Monoclonal Antibody (KRT18/2819R).

Specificity & Comments

This MAb reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid. Cytokeratin 18, which belongs to the type A (acidic) subfamily of low molecular weight keratins, exists in combination with cytokeratin 8. It was reported that tissues from gastrointestinal tract are positive for both cytokeratin 8 and 18 but do not contain cytokeratin 14. Tissues from gastrointestinal tract, respiratory tract and urogenital tract, as well as endocrine and exocrine tissues and mesothelial cells are positive for cytokeratin 18.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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